

# INTERNATIONAL SEARCH REPORT

International Classification No

PCT/EP 03/10151

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C09B67/46 D06P1/613

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7- C09B D06P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 013 576 A (HOECHST AG) 23 July 1980 (1980-07-23) page 3-4	1,3,5
Y	---	1-5
Y	EP 1 103 173 A (BAYER AG) 30 May 2001 (2001-05-30) claim 1	1-5
A	WO 02 068504 A (METZ HANS JOACHIM ; WINTER MARTIN ALEXANDER (DE); CLARIANT GMBH (DE) 6 September 2002 (2002-09-06) claims	1-5
A	EP 0 655 527 A (SEIREN CO LTD) 31 May 1995 (1995-05-31) page 7, line 51-56	1-5
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

27 January 2004

Date of mailing of the international search report

05/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Steendijk, M

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/10151

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DE 27 30 233 A (LUMMUS CO; MARUZEN PETROCHEM CO LTD) 19 January 1978 (1978-01-19) page 7</p> <p>-----</p>	1-5

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/10151

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0013576	A	23-07-1980	DE	2901461 A1	24-07-1980
			BR	8000254 A	21-10-1980
			CA	1136807 A1	07-12-1982
			DE	3060378 D1	01-07-1982
			EP	0013576 A1	23-07-1980
			IN	152341 A1	24-12-1983
			JP	1011669 B	27-02-1989
			JP	1529923 C	15-11-1989
			JP	55094966 A	18-07-1980
			MX	153239 A	02-09-1986
			US	4420310 A	13-12-1983
EP 1103173	A	30-05-2001	DE	19954401 A1	06-12-2001
			CA	2325333 A1	12-05-2001
			CN	1296040 A	23-05-2001
			EP	1103173 A1	30-05-2001
			JP	2001187846 A	10-07-2001
			US	6646023 B1	11-11-2003
WO 02068504	A	06-09-2002	DE	10109483 A1	05-09-2002
			WO	02068504 A1	06-09-2002
			EP	1368408 A1	10-12-2003
EP 0655527	A	31-05-1995	AT	200526 T	15-04-2001
			DE	69427068 D1	17-05-2001
			DE	69427068 T2	25-10-2001
			EP	0655527 A1	31-05-1995
			JP	2747890 B2	06-05-1998
			JP	7207205 A	08-08-1995
			US	5782965 A	21-07-1998
DE 2730233	A	19-01-1978	US	4108798 A	22-08-1978
			AT	369417 B	27-12-1982
			AT	475277 A	15-05-1982
			AU	503642 B2	13-09-1979
			AU	2624077 A	04-01-1979
			BE	875705 A7	16-08-1979
			CA	1094486 A1	27-01-1981
			DE	2730233 A1	19-01-1978
			FR	2357627 A1	03-02-1978
			GB	1562447 A	12-03-1980
			IT	1083084 B	21-05-1985
			JP	1030879 B	22-06-1989
			JP	1554565 C	23-04-1990
			JP	53034801 A	31-03-1978
			NL	7707514 A ,B,	10-01-1978